

ABSTRACT OF THE DISCLOSURE
METHOD AND DATA PROCESSING SYSTEM FOR SOFTWARE TESTING OF
A DEVICE DRIVER

5 A system and method are disclosed for testing a
device driver on a data processing system. An operating
system allocates a memory address range for executing a
device driver. The device driver is executed as an
application on top of the operating system to test the
10 device driver. The system and method monitor to detect
whether a target address for a request made by the device
driver is within the memory address range. In response to
detecting the target address for the request being made
outside of the memory address range, the target address is
trapped, and a data exception handler is executed to
emulate a target device.